

FIG. 1A

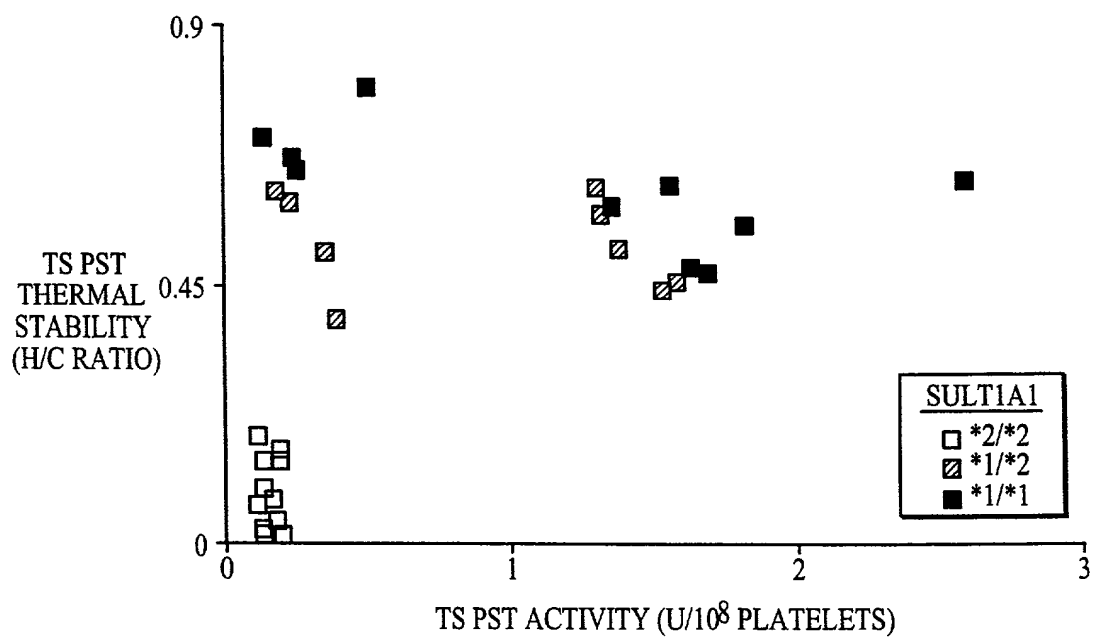


FIG. 1B

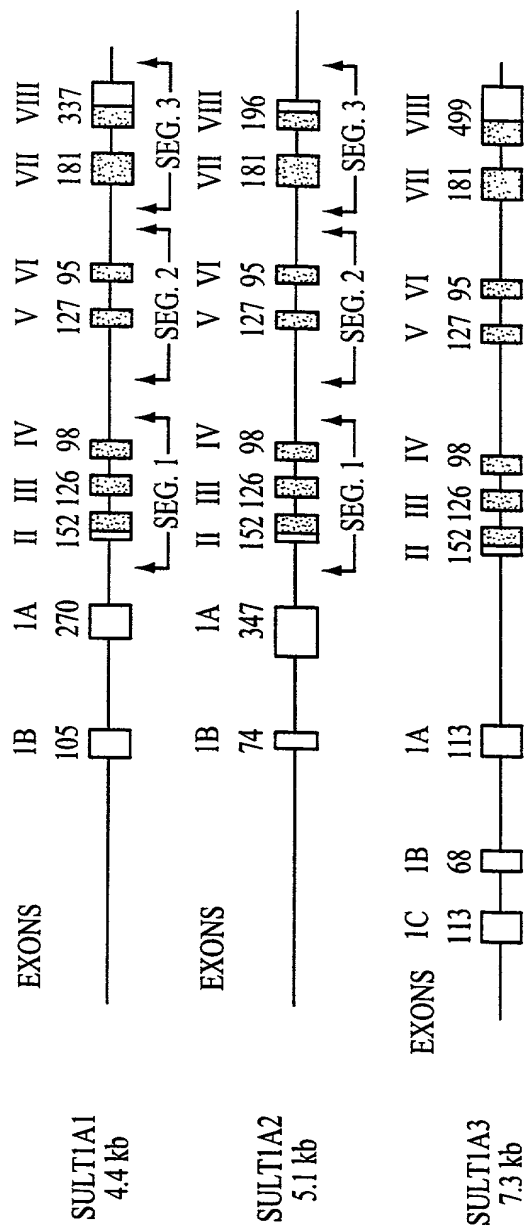


FIG. 2

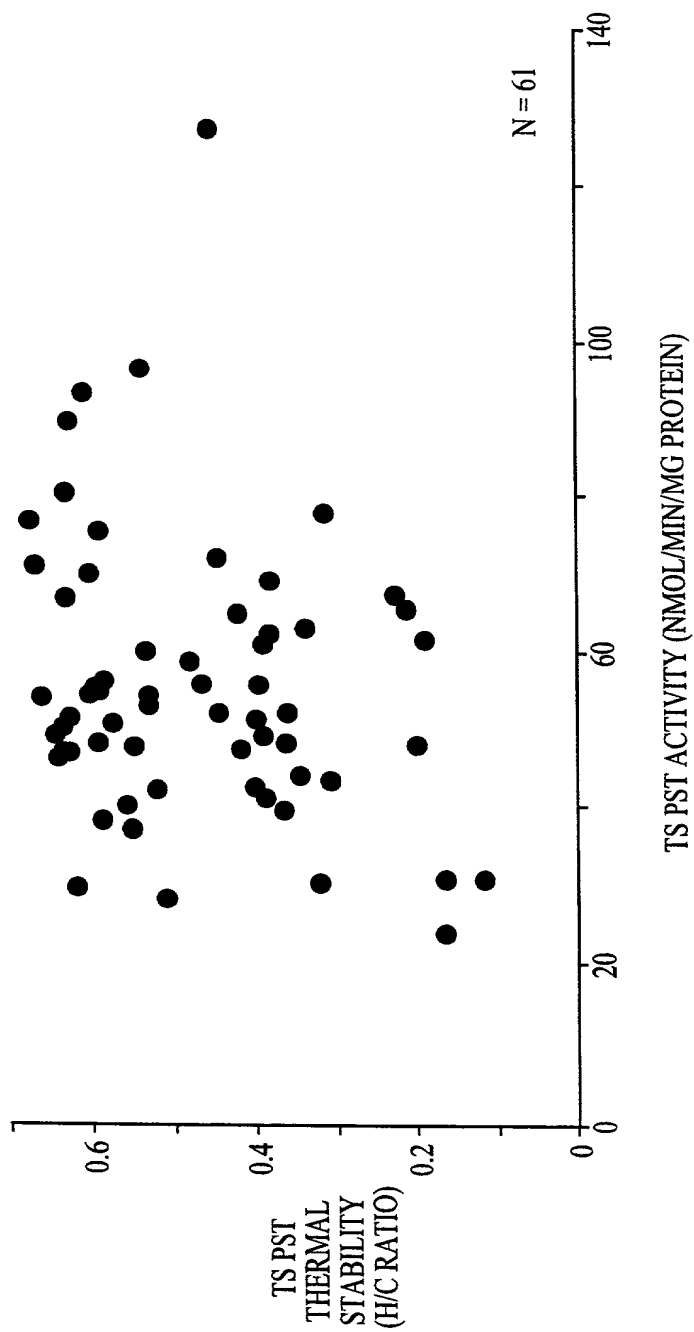


FIG. 3

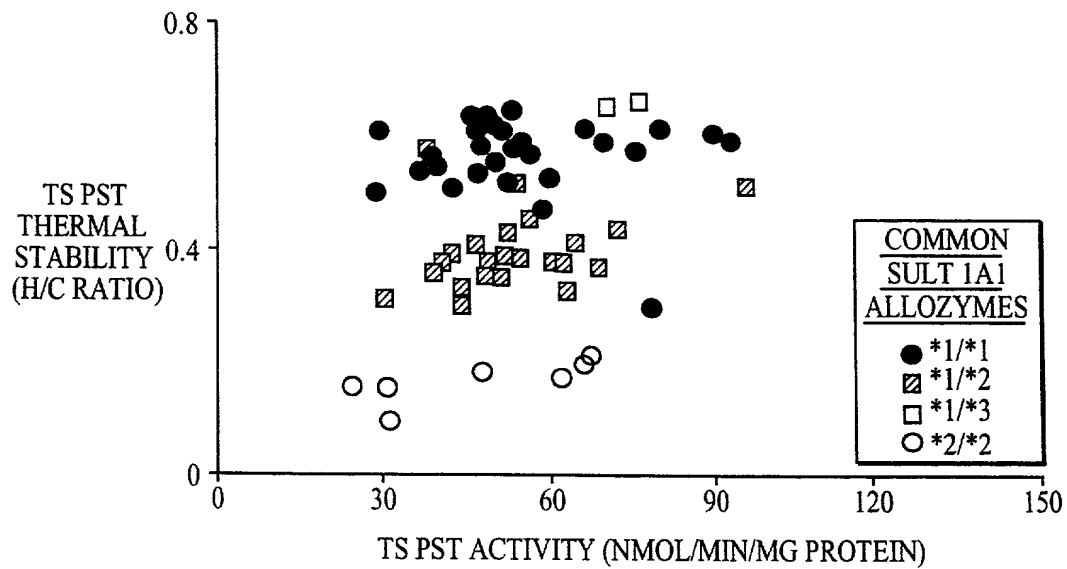


FIG. 4A

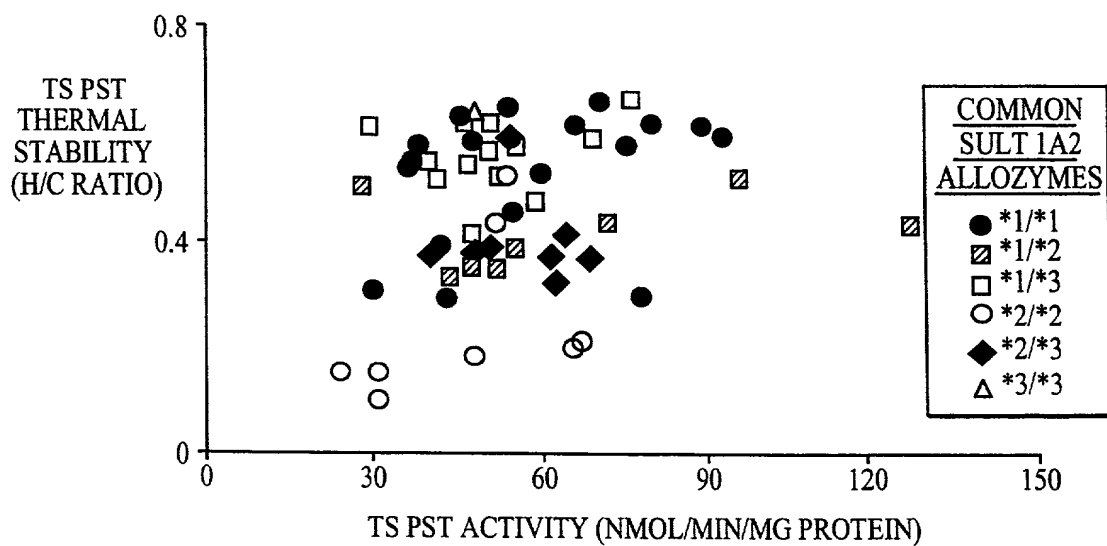


FIG. 4B

101 ttgtgtgcaag ctgactctcc ctactgtct cttaactgac ttgtgactgg gacaggtatga agcggggccc ttgtgtgccc ccaacactgg ctgttgggta
 201 agagcccaag tgatctgctt gtgagaggag ttactccagg aagaacaagg gaagctttctg ccaactagagg gcaatgccc tagctgagtg cagtcccccc
 301 gccccagcct ggtccagctt tgggaagagg gtgccagtt gtgcaatcca ggcgggggca ggcgtgctct gatcttggtg ttoagggctg agcctggagg
 401 ggggttggtg ttgctgactc tggctgactc tagaagaagt gactgggctt tggcccccag ctccctaccc agatctggt ggcctagggg agtcaatca aacccgggtg
 501 gacgggggga aatggtgaa gactogaaat tggctgactc tagaagaagt gactgggctt tggcccccag ctccctaccc agatctggt ggcctagggg agtcaatca aacccgggtg
 601 cctcgtttct gagggcacac tggatagccc tggctgactc tagaagaagt gactgggctt tggcccccag ctccctaccc agatctggt ggcctagggg agtcaatca aacccgggtg
 701 gacatagacc tgaagccggt tcaagctttt tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
 801 ttgtggtca cgcacacctc cgcctcctgg gttcaagaga ttctctgccc ttactctcc ttactctcc ttactctcc ttactctcc ttactctcc ttactctcc
 901 aatttttat ttttagtaga gacaagttt ctcactgttg ggcctctcc aggtcttgg caacttagcc agaaacaatt taaggacaag ttgcaatgccc ccccaagt
 1001 ctgggattac aggtgtgagc caactgtgca ggcctctcc aggtcttgg caacttagcc agaaacaatt taaggacaag ttgcaatgccc ccccaagt
 1101 gaagatttcc tgaaggttaa aggtactaac taagaagag gaactgtgga gactctaaag gactctaaag gactctaaag gactctaaag gactctaaag
 1201 gggcttcttc aactaaagag ggttatatto atgaagagt caggaaagg taagatttc taagatttc taagatttc taagatttc taagatttc taagatttc
 1301 ttactggagc cgtcttgga obgttggtg obgttggtg obgttggtg obgttggtg obgttggtg obgttggtg obgttggtg obgttggtg obgttggtg
 1401 ttgtctggt ttgtctggt cagcttggt cactctat ttttcaagg ttttcaagg ttttcaagg ttttcaagg ttttcaagg ttttcaagg ttttcaagg
 1501 atgtgaact gctgctggg attttgtt cactgtac cactctat ttttcaagg ttttcaagg ttttcaagg ttttcaagg ttttcaagg ttttcaagg
 1601 ttgtactag agtgaatc aaagtctag tcaagggaac ctctgagg ttgtgagg caggggtgga gtagtagcc tagtagccc tagtagccc tagtagccc
 1701 ggtacttca tgggcacaga ggggggga ggggtccat ggcctagcat atgagaagcc ttactctgg ttactctgg ttactctgg ttactctgg ttactctgg
 1801 actccacct gtcgcttg ctttaagt aggtataag acgacttt tggagttt tggagttt tggagttt tggagttt tggagttt tggagttt tggagttt
 1901 ttgacttga ctttaagt gaggctctt caaacccagg aaggtatga tggggggatg cccccctcc ggggttgggt ttcttagga ttctatca atgtctctg aggtctctg
 2001 ttgtctgtg gaggctctt caaacccagg aaggtatga tggggggatg cccccctcc ggggttgggt ttcttagga ttctatca atgtctctg aggtctctg
 2101 gaggcatga gctggggctg actccagg actccagg actccagg actccagg actccagg actccagg actccagg actccagg actccagg actccagg
 2201 actctgcca cacaatccc totagactg cttgtggtc agagctgga gtcactggg ttgctatccc agttttctc ttactctcc ttactctcc ttactctcc
 2301 caacttcaag actggcctgg agccagcagg taggtgact ttttcaagg gtttcaagg gtttcaagg gtttcaagg gtttcaagg gtttcaagg gtttcaagg
 2401 attagagaga gttgtctgt ttgtgctg ggggttga gtttcaagg gtttcaagg gtttcaagg gtttcaagg gtttcaagg gtttcaagg gtttcaagg
 2501 cagaaaaaaa sacctacaa acaaaccca ccaatgggccc ttccctttt cactctctg ttctctac agcaactca gtcgtggtt tggagatcac
 tttaagtttg ttccagctg gcaactaag gagggtatg gagaactcc ccaaccccca cccacccc ttcttccgg agaaatct agtccagcc

FIG. 5A

2601	cgggttcacg atccctccca cagtgga	CTT AGGAACCCCT CAGCTCAGAG AACACCCCTG CATTCGCCAC ACAGCACCCA CAATCABCCA CTGCGGGCGA	EXON IB
2701	GGAGGGCAG AGGCCAGGTT CCCAAGAGCT CAGTgagtg	agccagtgga agggcccaag gggccctcac cctgtccagc ttgtggctct aacattccag	
2801	aagctgagc cctggcgc cctgpccttt cccatggat	atccatttgc agcaacctt ggcctggctg aatcccttc ccttcccttg ttgttttgtt	
2901	ttttcccg gggagggcca ggtcttgctg	tggaatccct ggcactgcag ccttgatc cttgggtcaa gttgattctt	
3001	tgccacgac totggagtag ataggactac	agggccctac cactctgctt ggttaattt tttaagatt tttagagatg ggtctctgca	
3101	atgctgacc aggttggtct ccaactcctg	ggtccagcct ccttagggtc tgggtattata ggtggagcc accctggcta ggcctgtgct ttgctgaggt	
3201	cacagagtt ttgttcattc cccagcagc	totggccctc agtaccagct cagttccctca atgggpcgtg ttgtgctgg agcccaagtg gactgtggcc	
3301	agcccaagtg atccaggcc tggctggcct	ggtgggtttc CACATGTGAG GGGCTGAGGG GCTCAAGGAG GGGASCATCT CCACGTGGGTG GAGGCTGGGG	EXON IA
3401	GTTCACAGAG GAATGTGTGA GACAAAGGGC	GCTGGCTGGC AGGAGACAG CACAGGAGG TCCTAGAGCT TCCTCAGATGC AGCTGGACTC TCCTGGAGAC	
3501	CTTCACAGAG CTTGATATCT GGGCCTTGCC	CGAGAGGGGT GCTTTCACAG GTCTGACAGA TGCCACAGGC CCTGGGATTT TGAACAGCTC CGCAGGTGAA	
3601	TGAAGTga ggcagggctg gggacccacc	ggaatagag ccgactgggt ttccagccc agcccggcc atgactgggt ttgtgagtg gggcaagtc	
3701	otagctcc ctaggpctca gtagcttccc	tgaaagaaag aattccact tottgctgt gtagtggtg taaggaaag ggcctggctc tggccctcga	
3801	cgcagAAC TGGAGCTGAT CCAGGACACC	TCCCGCCGCG CACTGGAGTA GTGAAGGGG GTCCCGCTCA TCAAGTACTT TGCAGAGGCA CTGGGGCCCC	EXON II
3901	Q S F Q A R P D D L L I S T Y P K S G	M E L I Q D T S R P L E Y V K G Y P L I K Y F A E A L G P L	
4001	cacttgcc agcaggtcgt tggcctcagc	ctgctccacc ccaatctccc tccctctca	EXON III
4101	AGGTGGTGA CCTGGAGAAG TGTCACCGAG	CTCCCATCTT CATGCGGGTG CCTTCCCTTG APTTCAAGC CCACAGGGAT CCCTCAGTgtg	
4201	toctgggtgc aaggggagtg gaggagaca	gggtggggg tbaagtcac cagacctcc atgacccact gctcaag	EXON IV
4301	CGGCCCCAG ACTCCTGAAG ACACACCTGC	CCCTGCTCT GTCCCCCAG ACTCTGTTGG ATCAGAGGT CAAGTgagc	
4401	ccataatcc agcacttg gaggctgag	caggagatc acctgggtt gggagtga ggcacccctg agaacatag aagacccctg tctactaa	
4501	aaatacaga ttagccgggt gtagtgagg	gtgcctgtaa tccagctac tccagcct gagacggag aatcaattga acccgagga aggaggtgtg	
4601	ggtgagcag agatccacc attgactcc	agcctgagca aacacacaa aataatgata tataatgata tataatgata tataatgata tataatgata	
4701	tggaacctgt ggtggctcac	tgctgtaag ccagcacttt gggagggcaa attggttgga tcaactgagc tcaagtgata cagacacgcc cgggaacac	
4801	gggaacttc catctcata aaatgcaa	atatcagcag ggcctgggtg oatgggctg tagttccagc tactggaaag totgaggtg gaggattgct	
4901	tgaacctggg aggtcaaggt tgaagtgt	tattatcact ccagtgact ccaactggg gcacagaaa aagaaagao caagttottt ttctttttt	
5001	gagattgtot caataaata ataatgaat	aaataaagt aaataaato ccaactaa aagaaagao aaagttccag gtaggggca	
5101	tgtgaatca gggagagg cctgggtca	gcccagttt ggtctgttc ttctgggaa gtgcctcac ttctctcat cttctgggc	
5201	ggggactgto tggctcttgc totgatgac	aggaactga aggtgggtg otaacagggc cacaataat	
5301	ggtgggggtg ggtacacggc tggtagag	ggtgagcgtat tgaatgata tgaatgata tgaatgata tgaatgata tgaatgata tgaatgata	
5401	gaccagcag gactttggt totgagcag	gttcagatcc ctacgggtgc ctaacagto ctaacagto ctaacagto ctaacagto ctaacagto	

FIG. 5B

EXON V

5501 ctcctttgac aatocaaag atgactgga ctggggcagg ctgtgtggtg atgtgtggtg ggttgagtgt tatgccccg cagctgtctt atgttgcctg
 5601 CAACGCAAG GATGTGGCAG TTTCCTACTA CCACCTCTAC CACATGGCCA AGGTGACCC TGAGCCTGGG ACCTGGGACA GCTTCTTGGG GAAGTTTCATG
 N A K D V A V S Y Y H F Y H H A K Y H P E P G T W D S F L E K F M
 5701 GTGGGGAAG gtgggtttga tgggaggaag gaaagtgtg agccagggg tgttggtctac aacgcaacag aacctgtgt tgggaacct tgcctgttto
 W G E Y

EXON VI

5801 tccagctgtcc TACGGATCCT GGTACACGCA CGTGCAGGAG TGTGGGAGC TGAGCCGAC CCACCTCTCT CTCTACCTCT TCTATGAAGA CATGAAGGAG
 S Y G S W Y Q H Y Q E W W E L S R T H P Y L Y L F Y E D M K E
 5901 gtgagccac ctgtgaagt toctocatg tgaacctg gggccgggac ctacaggga ccaaccagg toaccaggc cctcccttg gcagccccc
 6001 cagcggpcc ggtatccca toctgottc ttggccagg ootcccggt acagggccca cctggcagg ggcocacac ggtctctat accacatct
 6101 ggtcagctg catgggggc caggtatcag aaacttagt ctattgtac toctgtcca aggtgtgccc acccagggc acagtoatg aagaagacca
 6201 tcaogtctt caccatagg agocaaagpcc agctcatgat gggatcaacg ggcagacag aattctttt accccggga otggggpccot gggggttgag
 6301 ggttggctc tgcaggtct ctaggaggg tggccagat gctctgag gtccctttt gttcccttt tacttttct gatatgcaa tccgagcctc
 6401 caotgggag cctctgtgt ctccgaccc CAAGGGAG ATTCAAGA TCTGGATT TGTGGGAC TCCCTGCCAG AGGAGACCTT GGACTTCATG
 N P K R E I Q K I L E F Y G H S L P E E T Y D F M

EXON VII

6501 GTTCAGACA GGTGTTCAA GGAGATGAAG AAGAACCCTA TGACCACTA CACCACCTC CCCACGGAGT TCATGGGACA CAGCATCTCC CCCTTCATGA
 V Q H T S F K E M K K N P M T N Y T Y P Q E F M D H S I S P F M R
 6601 GGAAGctgg gtgtggpca gtacgggggt ttgggggggg tgggagcag agotgcagc toccatagg cactggggg otccctggg atgagactcc
 K G

EXON VIII

6701 agcctgtct cctgcttcc ccccccagc ATGGCTGGG ACTGGAGAG CACCTTCACC GTGGCGCAGA ATGAGCGCTT CGATCGGAC TATGCGGAGA
 M A G D W K T T F T V A Q N E R F D A D Y A E K
 6801 AGATGGCAGG CTGCAGCCTC AGCTTCCGCT CTGAGCTGTG AGAGGGCTC CTGGGCTCAC TGCAGAGGA GTGTGCGAAT CAAACCTGAC CAAGCGGCTC
 M A G C S L S F R S E L
 6901 AAGAATAAAA TATGAATTGA GGGCCTGGGA CGGTAGTCA TGTCTGTAAAT CCCAGCAATT TGGAGGCTGA GGTGGGAGGA TCATTGASC CCAGGAGTTC
 7001 GAGACCAACC TGGGCAACAT AGTGAGATTC TGTAAAAA ATAAATAAA ATAAACCAA TTTTAAAA gagataaaa tatgattgtg ggcaggcat
 7101 agtggctcat g 7152

FIG. 5C

-3729 ctotccctcc ttgtctctta cctgcctgct gctgaggaca ggtgaaagcg ggggocctgt gtgccccaa cctggctgtg tggctaagag ccacgtgtg
-3629 ctgcctgtga gaggagtcc ttccggaaga accagggag cttctgccc tagagggaca ttgcctagc atgcctagc tggctgagc ccccccgc cagctgtgt
-3529 cagctttggg aagagggtgc ccagttgtgc aatcagggc ggggagggc tgtctgtac ttggtattca ttggtgagc tggaggggc ttgtgagtc
-3429 tgactctgtc tctctctctg gcccctgac agactgagc ttgtgagtc tggaggtca ctgcttggg tgacctgac ttgctgtgt ggtgagc gggggaaata
-3329 gtggaagact cggaaattga agactgagc ggccttggc cccagctcc ctacccact cctgtctgc ggtgctgtg gacaaactt gttctgtgag ggttggaata
-3229 gaacactgga tagccctgct ggcctcagc gtcctaatc cctccatcc actgtgggc tagggaggt catcaagac cagtgggaca tgcacctoag
-3129 cctgtttoca cgtttctgtg tgttttttt aggtttttt ttcttgaga gacaggttt cactctgtt gccacggc ttgactaat ttctatttt
-3029 aaactctgac tccgggttc agggattct cctggttcag cctccaggt cctccaggt agtgggtt cctgctgc ttgctctcc aaagtgtg gattacagga
-2929 agtagagaca agttttctcc atgttggtca ggtggtctc aaactccga cttcaggtga tctgctgc ttgctctcc aaagtgtg gattacagga
-2829 gtgagccacc gtgcccagcc ttctccagcc ttctccagcc ttctccagcc ttctccagcc ttctccagcc ttctccagcc ttctccagcc ttctccagcc
-2729 ggttaaggg actccctgaa gaagaggaa gtgggggtcc ttgagagaa actccttga gacaggtga gacaggtga gacaggtga gacaggtga gacaggtga
-2629 aaagaggggt atattctga aggtctcag aaaggtbaa gatttttcaa gacgtgtgtg ccacaaata caggtgttc tctggtgtg
-2529 ttggcactgg tgggtgtaag gtttctatg ttactgattg tacagtga tctaggtga aactacatc aaatacagc ccatgtgtg tctggtgtg
-2429 cgaagccagc ttgttctca tctattttt caggactta ttggccctg gacatgag ctatttct gtgccccc ctgctgttc ggtggtttt cactagagt
-2329 cctgggttt ttgtgtct tctagact tctagact tctagact tctagact tctagact tctagact tctagact tctagact tctagact tctagact
-2229 caatacaag tctagactaa gaggccctcc tgaaggtgc tgaaggtgc tgaaggtgc tgaaggtgc tgaaggtgc tgaaggtgc tgaaggtgc tgaaggtgc
-2129 cacagaggag gaggagggg cctgtggccc tagcaggga gacgtctc ctgtcctg aaatccatg cctcagttt ccccggttg cctcaggtc
-2029 acgcaacct ggaaggctt gggagactca ccttactca gatgtgtt taactgtc gtgcccaggt tgacctgga ctttaaatg tgaagacaa
-1929 gaacagagg ggtggggga tgcactcctt ccacggggc cgtgggtcc caagctcaa cctcctctg tctgtctg tggagctcc ttoaaaccca
-1829 tggaaagaa agtaacctgc aggggtgtg gttctctag gatctctat cgtgttctg tgaagctcc agggagcact gacgtgggg ctggtctcca
-1729 gggcaatgg actgcagtgt cctgttctt ttgtgtctt atggtccat gctctgtcc accctgccc ctcaacttg cccacaogca tcaactcaga
-1629 ctggccttg ggtcagagcc tggagtgcat gggctgtg aggtctgtg gttgactg gacagaccc ctggcactt caagctggc ctggagccag
-1529 caggtaggtg accttccag ggcctgcta tccagcttt ctctccaat cctcccttc tottgccctg gtaattaga gaaagctgt ctttggagt
-1429 tcaagggcag gtcaggagcc cagtgcagc tcaaaaaa aaaaaaaa accattggc ccttccctt ttoattotto tgtttttac
-1329 acaccaaac cagtcgtggt ttgtccagc acttaagct tgtctccagc tggcaaatc agggaggtaa tagagaagct cccccccc caacctac

FIG. 6A

-1229	ccttccttcc ggaagcaaat ctaagtccag ccccggtccc agtctctccc caactgacc taagaaaccc tcaagcacaga caacaccccc	GCATTCCCA	EXON IB
-1129	CACAACACC ACACTCAGCC ACTGCGGGCG AGGAGGGGAC GAGGCCAGGT TCCGAGAGC TCAGTgagt gacacacgg aatggcccag gacgcctca		
-1029	ccctgtcag cttgtggtc caacattcca gaagccagg cctctgttat cctgtccctc tcccctatga tatccattt cagacaaccc cggccggct		
-929	gaatccccc ccttcccttt tttttttccc ggggaggcca ggtctgtgtg tcaacaggc tggagtgtg tgggatactg gcaactgag ccttgatc		
-829	ctgggtcaa gttattctcc tgcctcagta gtaggacta cagaccccca ccatcctgac tggatgttt taasaaatat ttttaagaga		
-729	tgggtcttc caatgtgccc cagattggtc tccaatct ggcctagccc tccctaggtt cttgggttac agtggggag caacctgccc aggtctctcc		
-629	ttttgtgag tcatcaagt ttgtcatt ttgtccatt cccacatcag gctctggccc caatacag ctaagtgtgt caatgggtt TTTGTCTGG AACCCAGATG		EXON IA
-529	GACTGTGGCC GGGCAAGTGG ATCAGAGGCC TGGCCAGCCT AGGAGTTGCC ACATGTGAGG GGCGBAGGG CTCAAGGAGG GGAACATCGG GGAGAGGAGC		
-429	CTACTGGGTG GAGGCTGGGG GTCCCGAGCAG GAAATGCTGA GACAAAGGC GCTGGCTGGC AGGAAGACAG CACAGGAAGG TCCTAGAGGT TCCTCAGTGC		
-329	AGCTGGAATC TCCTGGAGAC CTTCAACACAC CTTGACATCT GGGCCCGCCTT CCACGAGGGT GCTTTCATG GTCTGCACCA TGGCCAGGC CCTGGGATTT		
-229	TGAACAGCTC GGCAGGTGAA TGAAGgtga ggcaggtgtg ggcaggtgtg ggcaggtgtg acattagaa cgaactggt tttcagcccc agcccgcga ctgactggcc		
-129	ttgtgagtgc ggggaagtoa ctaacccccc ctagggtcca gtagactccc tgaagagaag aattccactt tcttctgttt gtgatgtgtg taagggaacg		
-29	ggcctgggtc tggcccttga cgaagGAACA TGGAGTGTAT CCAGGACATC TCTGCGCCGC CACTGGAGTA CGTGAAGGGG GTCCCGCTCA TCAAGTACTT		EXON II
72	TGCABAGGCA CTGGGGCCC TGCAGAGGCTT CCAGGCCCGG CCTGATGACC TGCTCATCAG CACTACCCC AAGTCCGgtta ggtgaggag ggcaccccc		
172	A E A L G P L Q S F Q A R P D D L L I S T Y P K S G	ccatccctct cctccctct cctccctct cctccctct cctccctct cctccctct cctccctct cctccctct cctccctct cctccctct	EXON III
272	CCAGATTCTG GACATGATCT ACCAGGGCGG TGACCTGGAA AAGTGTGACC GAGCTCCCAT CTTCATGCGG GTGCGCTTCC TTGAGTCAA AGTCCCGAGG		
372	Q I L D M I Y Q G G D L E K C H R A P I F M R Y P F L E F K Y P G		EXON IV
472	ATTCCCTCAG gttgtgtgt cctgggtgca aggggagtgy aggaagcag ggtgggtgt tcaagtcaccc agacttccc tgaocccactg ctaagGGATG		
	I P S G		
	GAGACTCTGA AAAACACACC AGCCCCACGA CTCCTGAAGA CACACTGCC CCTGGCTCTG CTCCCCCAGA CTCTGTGGA TCAGAGGTC AAGTgagac		
	E T L K N T P A P R L L K T H L P L A L L P Q T L L D Q K V K		

FIG. 6B

572	tgggcaagt ggttcaacc cgaatatca gtaattggg aggtgaggt gggagatoc cttgaagcca gaagttoag ataagtctot tccaaaaaa	
672	aaottagot gtgoatagtg gtgtgtgoot gtaataccag ttactcagga ggttaggtg gggagatcat ctgagcctag gagtttaagg ttacagcgag	
772	ctatgatoc accagtgac tocaggotgg gtgacagaga aacotgtot caaaaaaga tgaatgaa ggtgtocca ccagtgcggt ggctcacacc	
872	tgtaatcca gcaottgaag aggtgaggo aggtgataa cctgagcta ggaattgag atcagotgg caacatggc aaaccccat ctctactaaa	
972	aatacaaaa attagccgg goattgtggo aggcatttgt aatccagot aottgggag ctgaagcgg agaattgott gaagtggga ggcagaggtt	
1072	gtagtoagc gagacctoac cattgaacc cagcctggga acaagaga aactotgtc toaaaaaaa agaaaaaaa taataagcg gcaggtggca	
1172	gggggtggg ootgttgtg ctacgcttg taatacago acttoggag gtogaggttg goagatcac caaggttag agtttagat cagctggcc	
1272	aacatggga aacccgtot ctactaaaa taaaaaatt agccaggct tggggcagg gccagtaato ccagctacto gggaggtga ggaaggaga	
1372	tagcttgac ctgggaggog gtggttgag tgagccgaga ttgtgcaot gtaotcago ctggggaga caacgagaca ttgttcaaa caaaacaaat	
1472	aaatattta aaaggttgc oacotgggtg gtoacogot gtaatgocag catittggga ggcgaagtg ggtggaocgo ttgagctcag gagtccaga	
1572	ccagccagg aacatgggg agactocato totataaag atgaasataa toagcagggo atgtggcat agcgtatag toocagctac tcaaaagtct	
1672	aggttgag gattgttga gactggagg toacgttgo agtgagctat totoactoca gtgaactoca aotgggcaa caggaaaaa gaaagcccaa	
1772	ggtcttttt ctcttttc tttttttga gactagatg ccccccoc aaaaaaaa aaacacac aaagaaaaa agcaaaagt ccaggtgtgg	
1872	gpaatgtga tooagggag gagccccgg ctcagccag ctttgtctt gttctctgg gagctcgo toactctc cagacttgc tcatottoa	
1972	cgggggggac tgtctgctt ttgtctgtat gacaaaaac atgagactot tooyygtaga ctaagaag gttaggggtg ggtcctaca gacccaaaa	
2072	atttgtggt ggtgggaaca tgcotggtg agatgctt gctccagatc ggggtgtgac gattgatgo agattatatt aotatagaat atgatggtot	
2172	caggacacag gcaggacttt ggtttttgag cagggttcag atcctgactt ggcctactc gtgcctgag atotcaaca agtoagctc taagcctcag	
2272	cttctctct tgcacacaca agagatgag tggootggg caggctgtgt ggtgatggtg otggggttga gtctttgtgc cctgcaggtg GTCTATGTTG	EXON V
2372	CCGCAACGC AAAGGATGTG GCGGTTTCCT ACTACCACTT CTACCACATG GCCAAGTGT ACCCTCACCC TGGGACCTGG GAAAGCTTCC TGGAGAGTT	
2472	R N A K D Y A Y S Y Y H F Y H M A K Y Y P H P G T W E S F L E K F	
2572	CATGGCTGGA GAAGTgggc ttgatggag gaaggaaggt gtgagctaa ggggtggtg ctacaacga cagcaacct gtgtggcac cccctggccg	
2672	M A G E Y ctctccagT GTCCTATGGG TCCTGGTACC AGCACGTGCA AGATGGTGG GAGCTAGGCC GCACCCACCC TGTTCTCTAC CTCTCTATG AAGACATGAA	EXON VI
	S Y G S W Y Q H Y Q E W W E L S R T H P Y L Y L F Y E D M K	
	GGAGgtgaga ccgccttga tgotcccto oacgtgacac ctggggggcag gcaottoaca gggacotgoc aagpccacc agccacctc cctggggggg	
	E	

FIG. 6C

1 acctctgcct cctgggtcca agcaatccct cttcctcacc ctccagagta gctgggatta
 61 caccgcgcctg ccaccgcgcc tggcctaatt ttgtatattt tagtagagat ggggggtttcc
 121 aaccatgttg gccaggctgg tctccaaact cctgacctca ggtgatcctg ccacctaag
 181 cctcccaaaa tgctggtatt acaggcatga gccaccgtgc ccggcctaaa taattaataa
 241 aataatggac gatgggtgcc ttctactgag ctcccggtaa ttgtgagtga gttagaggact
 301 tgccctgggg acattcagtg acctgctggg tgttctgag ctgtgaggaa gttcagggtct
 361 ggctgcagtg gtgaggctgt gactcaatca atcactgctg atgctcccag gacctgcacc
 421 agcttagtcc taggggcaag gattttaact gtccacctca gttcttcat ttgtaagatg
 481 caaataacag tcacccctgc ctcatgggat ggagctgtgt aatgcccgca acagtgcctg
 541 ctgcatagag ggggtgctgc cagctgcctc tccctccttg tctcttacct gcctgctgcc
 601 rgggtcagga tgaagacggg ccttgtgtt gccccaccc tggctgcctg ctaaggggccc
 661 atgtgatctg cctggcagag gagtttcttc aggaagaacc agggcagctt ctgccccag
 721 agggccaatg cccttgggtga gtgcagctcc ctggccccag cctgggtccac ctctgggaag
 781 aggggtgccc gttgtgcaat ccaggcccag gcagctgagc cctcatctca gcctgcaggg
 841 cggatactgg agggggcttg tggcatctga ctctgtatct cctacctgcc cctctccttg
 901 ctgactgtga gaagtcactg ctttggggag acctgatctg gctgtgccag atggacactg
 961 agaaagaagt agaagactca gaattagaag aggtgagtgg gcttgggtgg cgggctccct
 1021 accccactcc ctgcccggg ctgcccgtga ccacactgct tgccctctga ggcacactgg
 1081 acagacctgc tggagacctg atcctcagtg tcttacccc ctccctacctc ttttctgtgc
 1141 cactgtctgt ggggtccagca ggtttttact tgagtacaat aaaaagtctg agtcaagggt
 1201 gccttatggg ggatgctgag gggagggggc gagctagtag cccaaggctc tgccagtcac
 1261 ggggcttctc caggggcaca gaggaggcag gaggggcccc tggccctagc acgtgaacag
 1321 cttactctct gcctggaaac cccatgcctc agctttcccc tacttgccctc tgagctcatg
 1381 caattcttgg aagcctggga gacttacctt gaaattgaat gcaaatagga caaagaccaa
 1441 ggaggatggg gggatgccct ccttccacgg ggcctgtgg cttccaagtc ttaattctct
 1501 ctagtctctt gtctacggag cctccttcaa acccaggga aaaaaagcac ctgccagggt
 1561 tgtttttctt ctaggatctt ctattgatgc tctgtgaggt cccccaggag ccatgaagct
 1621 agggctggct cctagggcaa tgggactaca gtgtcctgt cctttcttat tctttctgtt
 1681 ctttctttct tctttttttt tttttttttt tttttttgag acagagtctc actctgtgc
 1741 ccaggctgga gtgcagtggt gtgactcttg ctactgaaa cctccgcctc ctgggttcaa
 1801 gtgattctct tgccctcagc tccctgagtag ctaggattac aggtgcccgc catcatgcc
 1861 agctaatttt tgtattttta gttagagacag ggtttacca tgttgccag cttggtctcg
 1921 aactcctgac ctcaggtgat cctgctgcat cgacctccca aagtactggg attacaggcg
 1981 tgagccacca cgtcagcct ctttcttgtt ctatatgtcc atgctctgct ccactctgct
 2041 cccttcactc tgccccacac atcactccag actggccttg tggctcagagc ctggaatgcc
 2101 tgggctgctg ggggctgtg gactgcactg ggcagaacc cctgcgcctc tcaagactgg
 2161 cctgtagcca gcaggtagg gactttccc aggcgggct atcccacct tccccccac
 2221 tactcacct cccttgctg ggtcaattag agaaagcttg tcggccaggc atgggtggctc
 2281 atgctgttaa tctcagcact ttgggaggcc gaggcggcg gatcatctga gctcaggagt
 2341 ttgagaccag cctggccaac atggcaaac ccgtctcta ctaaaaatac aaaaattaac
 2401 cggatgtggg ggtgtgcacc tgtaatccca gctactcggg aggctgaggc agaagaatcg
 2461 cttgaaccca ggagggggag gttacagtga gcggagatcg tgctactgca ttgcagcctg
 2521 ggcgagagag cgagtctcca tctcacataa aaaaaagaaa aagaaagaaa gcaagcttgt
 2581 cgttggtgct gccctgcagg gtggagttca gagggagggt caggagccta gtgacagctc
 2641 aaaaaaaaaa aaacccaaat accaatgttg gccccttttg cctttcattc atgtgttttc
 2701 tataactaa actcacatat tgggtttgca gatcactcca agcttggctg gagctgtggg
 2761 ggtaaggagg gtaatagaga agcttcccca cctcaaccc cacccttcc ttctggagt
 2821 tcccagccct gacttttagat ccctccca ctaggacctc aaaacctca gggcagagag
 2881 cagccctaca ctccctacac cacaccata ctacgcccct gcaggcaagg agagaacagg
 2941 tcaagttccc caaagctca gtagtgaga cgttggaaat gccagggca ccttcacct
 3001 gctcagcttg tggctccaac attctagaag ccgaggcctc tgccatccct gccctttcc
 3061 atggaatttc catttcaatt agacaaccca gctcgccgg aacccccctg gcttcttct
 3121 tttcctttgt gtatttttga gacagggtgt tgctccgtca cccaggtgg agtgtagtgg
 3181 gatcctggcc cactgcagcc tcaattcct aggctgaggc aatcctgcc cctcagcctc

FIG. 7A

6661 ccccatgtg acacctgggg gcaggcacct cacagggacc caccaaggcc acccagcccc
6721 gtccctgggc ggctcccaca gcaagcccg attecccatc ctacctccct ggcccaggcc
6781 cccccactgc agccccacct ggcagcaggc tggcacagc tttcatcttc tgcacctgag
6841 tcagctgcat ggggtggccac ggatcagata cttagtccta ttgcttatcc tcaccaaagj
6901 gtgtgccacc cagggccaca gtcattggaag aagaccatcc cggctctcac ccataggcgc
6961 caagccctgt tcatgatggg atcacagggc agagatcaat tcattttact cca,agacta
7021 gggccccagg ggttgaggct ctttgggggt tctaggggaa gtggccagat cccctctgag
7081 gtttagagagg gggaccggt ttgttttgct cactgagga gccctctgct gctcagacc
7141 ccaaaagggg gattcaaaag atcctggagt ttgtggggcg ctccctgccg gaggagacca
7201 tggacttcat gggtcagcac acgtcgttca aggagatgaa gaagaaccct atgaccaact
7261 acaccaccgt cccccaaggc ctcattggac acagcatctc ccccttcatg aggaagctg
7321 ggtgctggcc agcacggggg tttggggcg gtgggagcag cagctgcagc ctcccatag
7381 gcaattgggg cctccctgg gatgagactc cagctttgct ccctgccttc ctccccact
7441 catggctggg gactggaaga ccaccttcac cgtggcgag aatgagcgt tcatgaggc
7501 ctatgcggag aagatggcag gctgcagcct cagcttcgc tctgagctgt gagaggggt
7561 cctggagtca ctgcagagg agtggtgcga tctaccctga ccaatgggt caagaataaa
7621 gtatgatttt tgagtcaggc acagtggctc atgtctgca tcccagcgat ttgggaggtt
7681 gagctggtag gatcacaata ggccacgaat ttgagaccag cctggtaaaa tagtgagacc
7741 tcatctctac aaagatgtaa aaaaattagc cacatgtgct ggcacttacc tgtagtccca
7801 gctacttggg aagcagaggc tggaggatca tttcagccca ggaggttgtg gatacagtga
7861 gttatgacat gccattcac tacagcctgg atgacaagca agaccctccc tccaaagaaa
7921 ataaagctca attaaaata aatatgattt gtgttcattg agagcctgta ttggaaagga
7981 agagaaactc tgagctgaaa gagtgaatgc ccggtggggc cacatatggt cacctctccc
8041 ccagccttca gctccccagg tcaccatata tggggagggg agaaggggtt ggagaagtaa
8101 aaccaggag atgtgtggag ggggagtgct tgtttaatcc cagcacatcc tctgctgtcc
8161 tgccccaaga tgggtggagga cgtcgagtcc gccgggcagc gtcacttttt cttgggctcc
8221 ttagaagcta ccaggtacct ctgggccaca ctgagatgag gggagtagcc gcctgcatag
8281 gaggtgtctt caaacaggat agtatagtcc ctccctgggg ttgtgggggt aggtggccaa
8341 ggaagggtag aggagcaagc ccccggggct ggttgtcaac tcactttgtt ggctggaatt
8401 ggttgtaact tgaccacctc gggcaggatc cactgctca tcccaa

FIG. 7C